

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: MARK JUSTIN BETTS, et al

For: PROCESS FOR PRODUCING OXYGENATED PRODUCTS

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

We draw the attention of the Examiner to the references listed on the attached Form PTO-1449. Copies of the references are not required, because they were already filed in a U.S. application from which an earlier filing date is claimed in this application.

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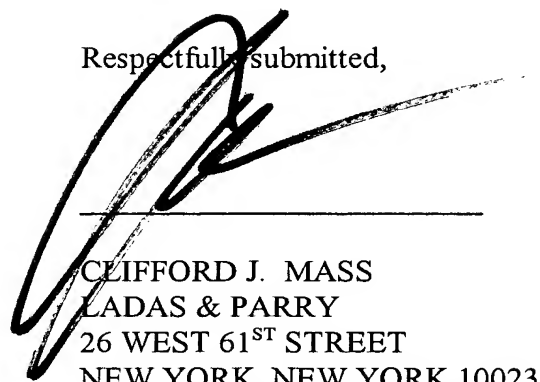
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Cited reference EP 0163234 is represented by U.S. 4,578,523.

Respectfully submitted,



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NEW YORK, NEW YORK 10023  
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
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ATTY. DOCKET NO.

SERIAL NO.

U 014848-4

APPLICANT

Mark Justin BETTS, et al.

FILING DATE

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3	2	3	9	5	6	6	3/1966	Slaugh et al.	260	604	
	AB	3	2	3	9	5	6	9	3/1966	Slaugh et al.	260	632	
	AC	3	2	3	9	5	7	0	3/1966	Slaugh et al.	260	632	
	AD	3	2	3	9	5	7	1	3/1966	Slaugh et al.	260	632	
	AE	3	3	6	9	0	5	0	2/1968	Greene	260	632	
	AF	3	4	2	0	8	9	8	1/1969	Van Winkle et al.	260	632	
	AG	3	4	4	0	2	9	1	4/1969	Van Winkle et al.	260	632	
	AH	3	4	4	8	1	5	7	6/1969	Slaugh et al.	260	604	
	AI	3	4	4	8	1	5	8	6/1969	Slaugh et al.	260	604	
	AJ	3	5	2	7	8	0	9	9/1970	Pruett et al.	260	604	
	AK	3	5	2	7	8	1	8	9/1970	Mason et al.	260	632	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AL	1	2	5	4	0	6	3	11/1971	GB			x	
	AM	1	3	3	8	2	3	7	11/1973	GB			x	
	AN	1	5	4	0	2	2	7	2/1979	GB			x	
	AO	1	5	5	5	5	5	1	11/1979	GB			x	
	AP	1	5	6	1	2	7	3	2/1980	GB			x	

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Dry, M. E. "The Fischer-Tropsch Synthesis." Catalysis Science & Technology, Vol. 1 (1979) pp 159-255.
	AS	"301 E Modified OECD Screening Test." OECD Council Directive, Guidelines for Testing of Chemicals, Test 301E
	AT	Gerhartz, W. Et al. "Chlorophenols to Copper Compounds." Ullmann's Encyclopedia of Industrial Chemistry, Vol. A7, (1986) pp 206-216.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

( Form PTO-1449 ) [6-4] )

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	AA	3	7	3	7	4	7	5	6/1973	Mason	260	683.15	
	AB	3	8	7	5	2	0	4	4/1975	Ghirga et al.	260	465.3	
	AC	4	1	7	9	4	0	3	12/1979	Kim et al.	252	431	
	AD	4	1	9	8	3	5	2	4/1980	Kim et al.	260	604	
	AE	4	3	3	0	6	7	8	5/1982	Van Leeuwen et al.	568	454	
	AF	4	4	0	8	0	7	8	10/1983	Van Leeuwen et al.	568	454	
	AG	4	4	1	4	4	2	1	11/1983	Drent	568	462	
	AH	4	4	6	7	1	1	6	8/1984	Van Leeuwen et al.	568	454	
	AI	4	5	3	7	9	9	7	8/1985	Kojima et al.	568	454	
	AJ	4	5	9	0	3	1	1	5/1986	Drent	568	852	
	AK	4	6	8	0	1	6	8	7/1987	Goodall et al.	423	22	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AL	2	0	7	5	8	5	7	11/1981	GB			x	
	AM	2	2	1	7	3	1	8	10/1989	GB			x	
	AN	2	2	5	6	6	4	1	12/1992	GB			x	
	AO	2	2	6	1	6	6	2	5/1993	GB			x	
	AP	2	2	7	4	4	5	7	7/1994	GB			x	

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Mark, H. F. Et al. "Oxo Process." Kirk-Othmer Encyclopedia of Chemical Technology, Third Edition, Vol. 16 (1989) pp 637-653.											
	AS	Cornils, B. Et al. "Oxo with Rhodium Catalysts." Hydrocarbon Processing (June 1975) pp 83-91											
	AT	Lemke, H. "Select Best Oxo Catalyst Cycle." Hydrocarbon Processing, Vol. 45, No. 2 (February 1966) pp148-152											

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	AA	4	7	2	3	0	4	7	2/1988	Bahrmann et al.	568	862	
	AB	4	7	3	1	4	8	7	3/1988	Drent	568	454	
	AC	4	8	0	6	6	9	3	2/1989	Drent	568	417	
	AD	4	8	5	1	5	8	2	7/1989	Drent	568	387	
	AE	5	1	8	9	0	0	3	2/1993	Klusener et al.	502	167	
	AF	5	2	1	0	2	8	0	5/1993	Drent	560	204	
	AG	5	2	1	4	2	2	0	5/1993	Drent	568	881	
	AH	5	2	5	6	8	2	7	10/1993	Slaugh et al.	568	454	
	AI	5	2	5	8	5	4	6	11/1993	Klusener et al.	560	207	
	AJ	5	2	5	8	5	2	4	11/1993	Quan et al.	548	335.1	
	AK	5	3	0	4	6	8	6	4/1994	Slaugh et al.	568	496	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL	0	0	0	5	5	6	9	11/1979	EP			x	
	AM	0	0	2	4	7	6	1	3/1981	EP			x	
	AN	0	0	3	3	5	5	4	8/1981	EP			x	
	AO		9	3	9	2	9	2	12/1993	ZA			x	
	AP	0	1	6	3	2	3	4	5/1985	EP				x

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

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	AA	5	3	0	4	6	9	1	4/1994	Arhancet et al.	568	867	
	AB	4	4	4	3	6	3	8	4/1984	Yates	568	882	
	AC	4	5	7	7	9	8	6	4/1996	Sie	585	324	
	AD	4	5	7	8	5	2	3	3/1986	Bahmann et al.	568	454	
	AE	5	0	7	2	0	5	7	10/1991	Oswald et al.	568	840	
	AF	5	2	2	7	5	3	2	7/1993	Sato et al.	568	454	
	AG	5	4	9	8	8	0	1	3/1996	Chaudhari et al.	568	454	
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	AJ												
	AK												

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	AM	0	4	2	3	8	7	4	4/1991	EP			x
	AN	0	4	7	8	8	5	0	4/1992	EP			x
	AO	0	4	9	5	5	4	8	7/1992	EP			x
	AP	0	4	9	9	3	2	8	8/1992	EP			x

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	AH						
	AI						
	AJ						
	AK						

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		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
														YES	NO
	AL	9	4	2	0	5	1	0	9/1994		WO				
	AM	2	1	1	1	0	2	6	6/1994		CA				
	AN														
	AO														
	AP														

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